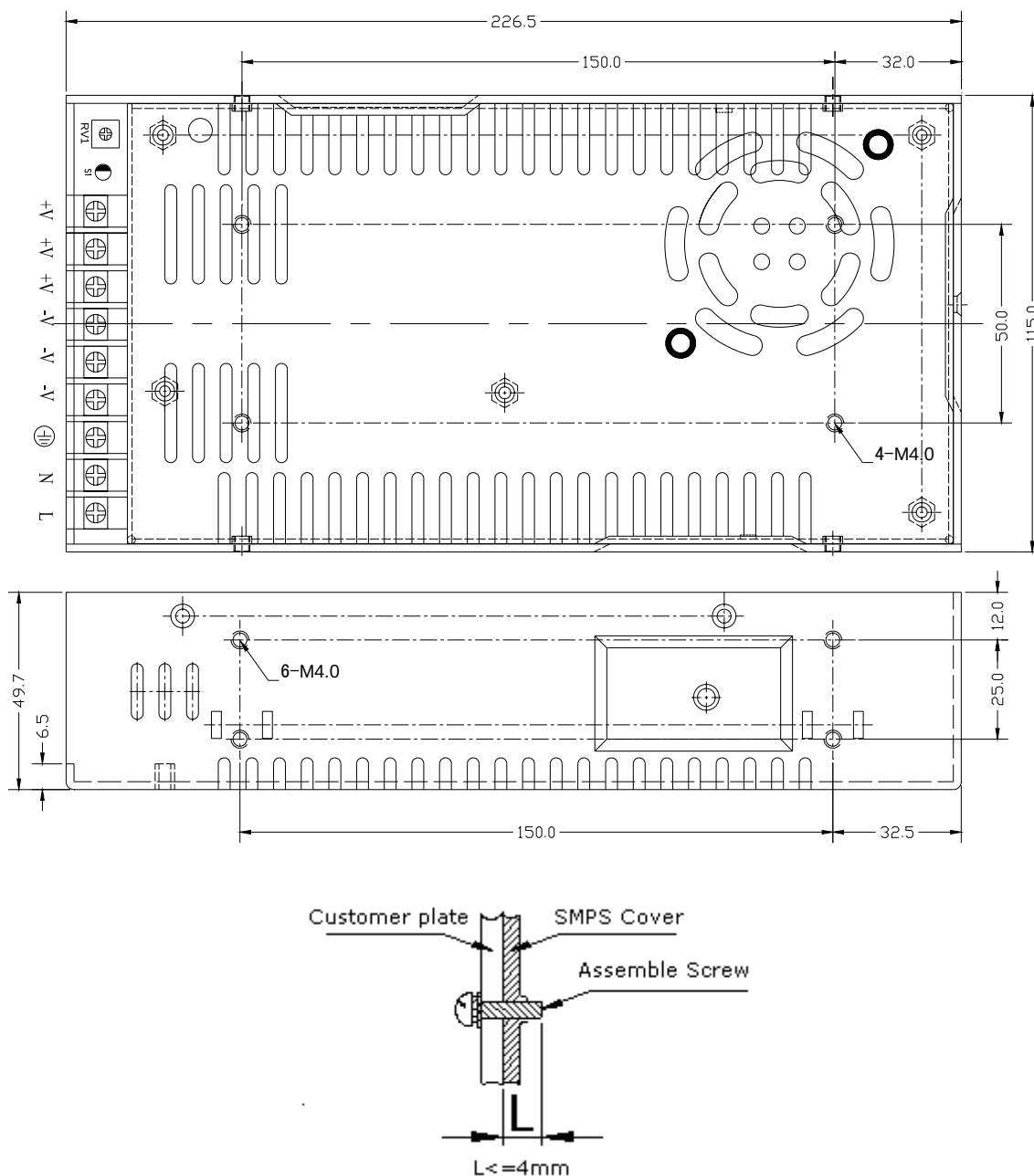
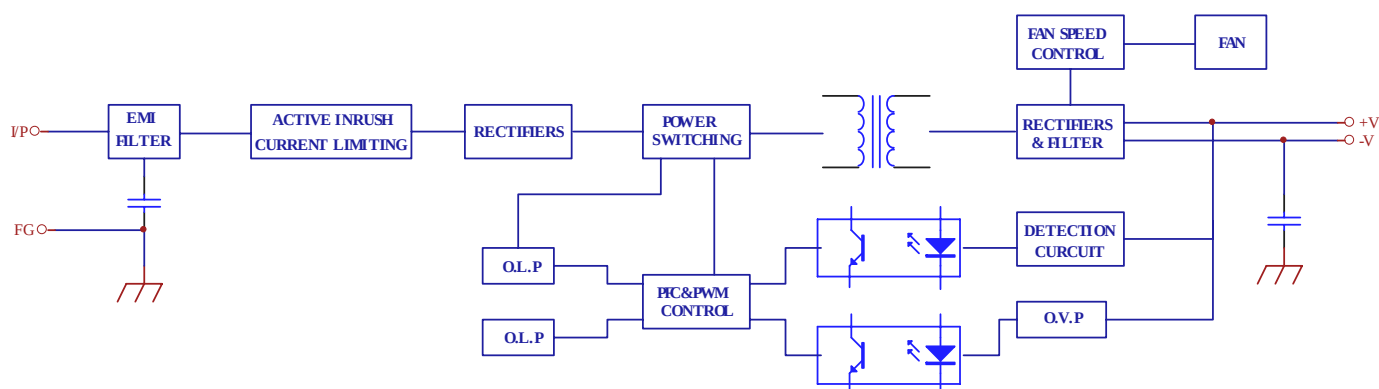



Features:

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- High Efficiency, and High Reliability
- Output protections: OLP/OTP/OVP/SCP
- Wide operating ambient temperature (-20℃~65℃)
- All using 105℃ long life electrolytic capacitors.
- PCB soldering side with conformal coating
- 100% full load burn-in test
- 3 years warranty

SPECIFICATION

MODEL			PDF-320-3.3	PDF-320-4	PDF-320-5	PDF-320-7.5	PDF-320-12	PDF-320-24	PDF-320-28	PDF-320-36	PDF-320-48
OUTPUT	DC Output		3.3V	4V	5.0V	7.5V	12V	24V	28V	36V	48V
	Rated Current		60A	60A	60A	40A	25A	13A	11A	8.8A	6.7A
	Current Range		0~60A	0~60A	0~60A	0~40A	0~25A	0~13A	0~11A	0~8.8A	0~6.7A
	Ripple and Noise	0-65℃	<150mV	<150mV	<150mV	<150mV	<150mV	<150mV	<150mV	<200mV	<240mV
		-20-0℃	<180mV	<180mV	<180mV	<180mV	<180mV	<180mV	<180mV	<200mV	<240mV
	Voltage ADJ. Range		3.1~3.6V	3.7~4.3V	4.4~5.3V	6.6~8.4V	10.5~13.3V	19.7~26.4V	25.7~30.4V	33.2~38.4V	41.5~53.1V
	Voltage Accuracy		±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.3%	±0.2%	±0.2%	±0.2%	±0.2%
	Load Regulation		±1.0%	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Set-up Time		<1.2S (230Vac input, Full load), <2.5S (115Vac input, Full load)								
Hold up Time		3.3V/4V/5V> 14mS 7.5V/12V/24V/28V/36V/48V> 16mS/ (230Vac input, Full load)									
Temperature Coefficient		±0.03%/℃									
Overshoot and		<5.0%									
INPUT	Voltage Range		88Vac~264Vac, 124Vdc~370Vdc								
	Frequency Range		47Hz~63Hz								
	Power Factor(Typical)		PF>0.98@115VAC PF>0.95@230VAC								
	Efficiency (Typical)	115Vacin	72%	73%	73%	77%	78%	79%	79%	80%	81%
		230Vacin	77%	78%	79%	83%	86%	87%	87%	87%	88%
	AC Current (max.)		4.0A								
	Inrush Current (Typical)		<50A@230Vac <30A@115Vac Cold start								
Leakage Current		Input—output: ≤0.1mA Input—PG: ≤0.75mA									
PROTECTION	Over Load		105%~135% of rated output current, hiccup mode,auto recovery								
	Over Temperture		85℃±5℃(detect on heatsink of power transistor);shut down,auto recovery after the temperature goes down								
	Over Voltage		110%~150% of rated voltage; hiccup mode,auto recovery								
	Short Circuit		Long-term mode, auto recovery								
ENVIRONMENT	Operating amb. Temp. &		-20℃~65℃; 20%~90%RH No condensing (refer to the derating curve)								
	Storage Temp. & Hum.		-40℃~85℃; 10%~95%RH No condensing								
SAFETY & EMC (Note 3)	Safety Standards		UL60950-1; EN60950-1: 2006								
	Withstand Voltage		Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVac;≤10mA.								
	Isolation Resistance		≥100M ohms								
	EMI		Compliance to EN55022(CISPR22)ClassB								
	Harmonic Current		Compliance to EN61000-3-2,17625.1-2003								
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA								
OTHERS	MTBF		More than 300,000Hrs (25℃, Full load)								
	Dimension (L*W*H)		226.5×115×50mm								
	Packing		10PCS/CTN, 11.6KGS, 0.04CBM								
	Cooling method		Forced air cooling(Built-in fan)								
NOTE	1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives. 4. Powerld offer accessories for Din-35 rail bar. Please contact sales staff for details.										

Mechanical Specification Unit:mm

Block Diagram


■ Derating Curve

